FIG.1

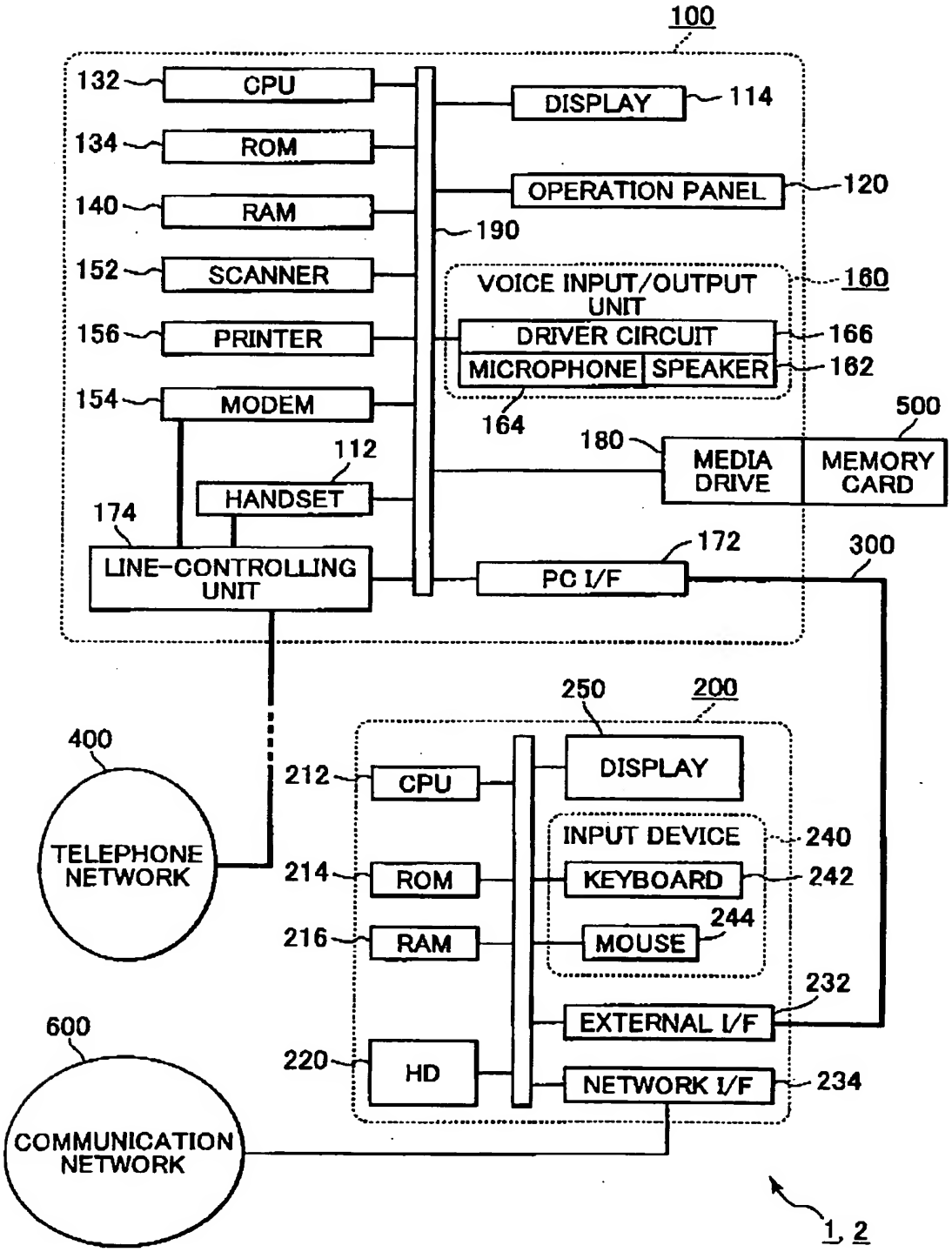

100
132
CPU
134
ROM
140
RAM
152
SCANNER
156
PRINTER
154
MODEM
112
HANDSET
174
LINE-CONTROLLING UNIT
DISPLAY
114
OPERATION PANEL
120
190
VOICE INPUT/OUTPUT UNIT
160
DRIVER CIRCUIT
166
MICROPHONE
SPEAKER
162
164
180
MEDIA DRIVE
500
MEMORY CARD
PC I/F
172
300
250
200
400
TELEPHONE NETWORK
212
CPU
214
ROM
216
RAM
220
HD
DISPLAY
INPUT DEVICE
240
KEYBOARD
242
244
MOUSE
232
EXTERNAL I/F
NETWORK I/F
234
600
COMMUNICATION NETWORK
1, 2

FIG.2(a)

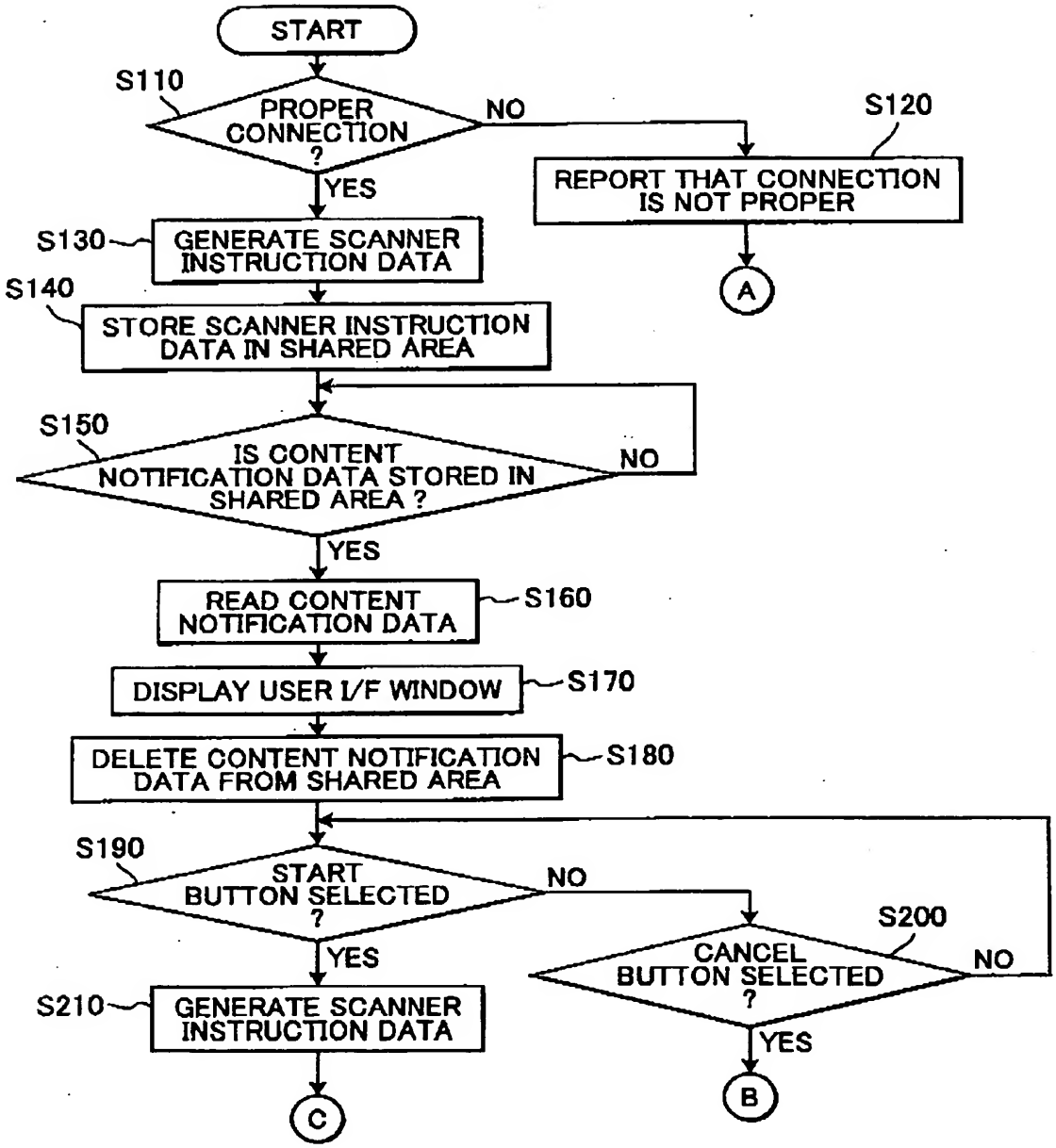

START
S110
PROPER CONNECTION ?
NO
S120
REPORT THAT CONNECTION IS NOT PROPER
YES
S130
GENERATE SCANNER INSTRUCTION DATA
S140
STORE SCANNER INSTRUCTION DATA IN SHARED AREA
S150
IS CONTENT NOTIFICATION DATA STORED IN SHARED AREA ?
NO
YES
READ CONTENT NOTIFICATION DATA
S160
DISPLAY USER I/F WINDOW
S170
DELETE CONTENT NOTIFICATION DATA FROM SHARED AREA
S180
S190
START BUTTON SELECTED ?
NO
S200
CANCEL BUTTON SELECTED ?
NO
YES
YES
S210
GENERATE SCANNER INSTRUCTION DATA
A
B
C

FIG.2(b)

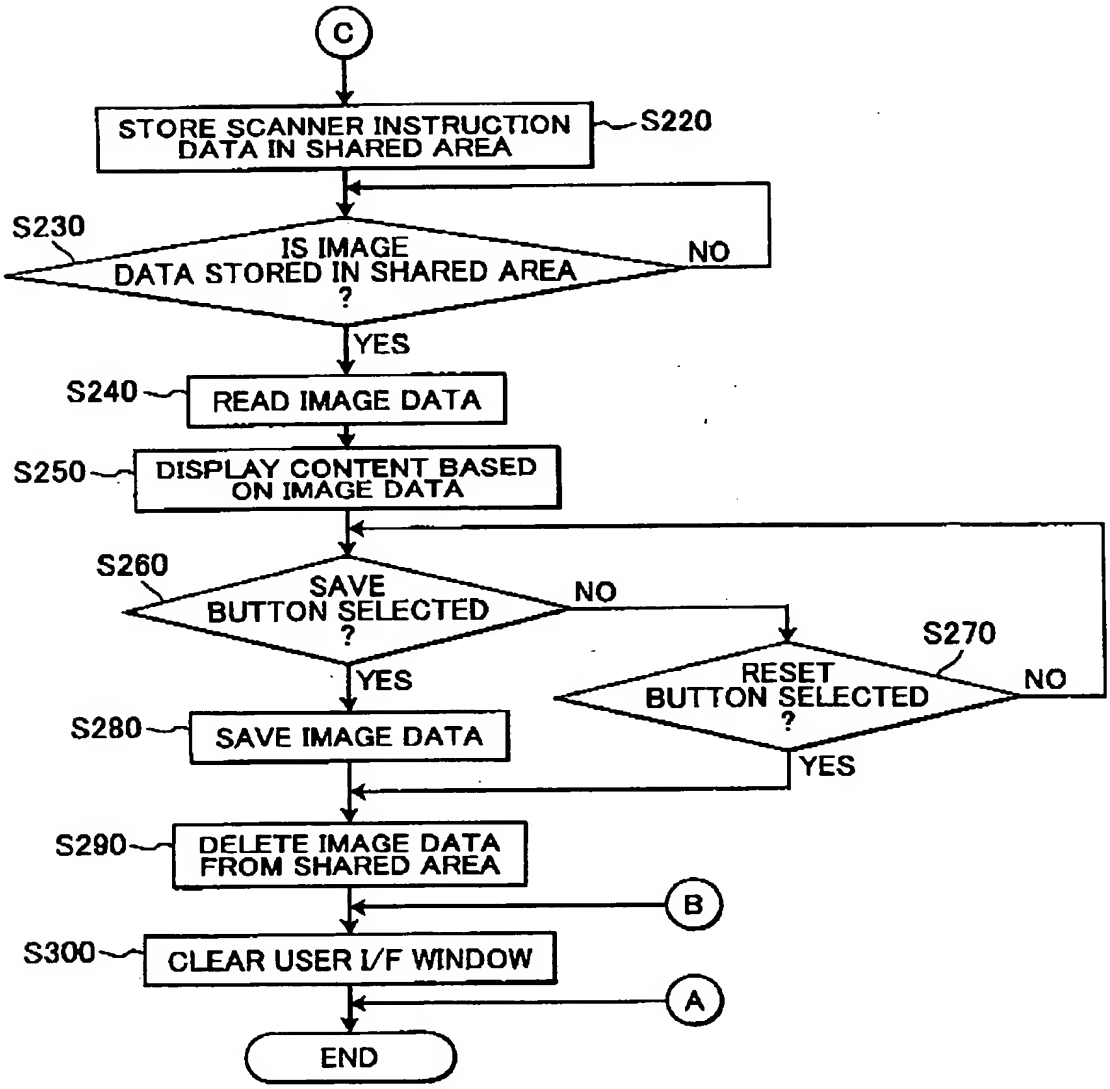

C
STORE SCANNER INSTRUCTION DATA IN SHARED AREA
S220
S230
IS IMAGE DATA STORED IN SHARED AREA ?
NO
YES
S240
READ IMAGE DATA
S250
DISPLAY CONTENT BASED ON IMAGE DATA
S260
SAVE BUTTON SELECTED ?
NO
S270
RESET BUTTON SELECTED ?
NO
YES
S280
SAVE IMAGE DATA
YES
S290
DELETE IMAGE DATA FROM SHARED AREA
B
S300
CLEAR USER I/F WINDOW
A
END

FIG.3(a)

<Scanner>
Color Type; 24bitColor
Resolution; 300 × 300dpi
Scan area; 0:0, 1500:1800
Brightness; 0
Contrast; 0

FIG.3(b)

<Set Auto Dial>
Dial1; 123-456-7890,FAX/TEL,XXX
Dial2; 012-345-6789,FAX/TEL,YYY
Dial3; 901-234-5678,TEL,ZZZ
⋮
<Scanner>
Color Type; 24bitColor
Resolution; 300 × 300dpi
Scan Area; 0:0, 1500:1800
Brightness; 0
Contrast; 0
⋮
<Printer>
QUALITY; AUTO
CONTRAST; AUTO
⋮

FIG.4

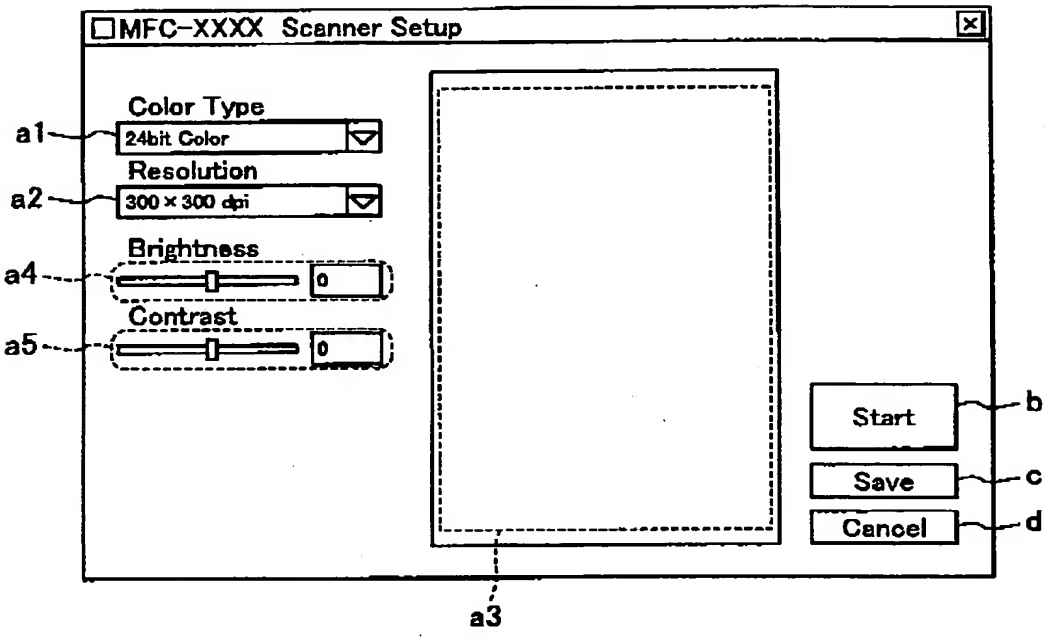

MFC-XXXX Scanner Setup
Color Type
24bit Color
Resolution
300 × 300 dpi
Brightness
0
Contrast
0
Start
Save
Cancel
a1
a2
a3
a4
a5
b
c
d

FIG.6

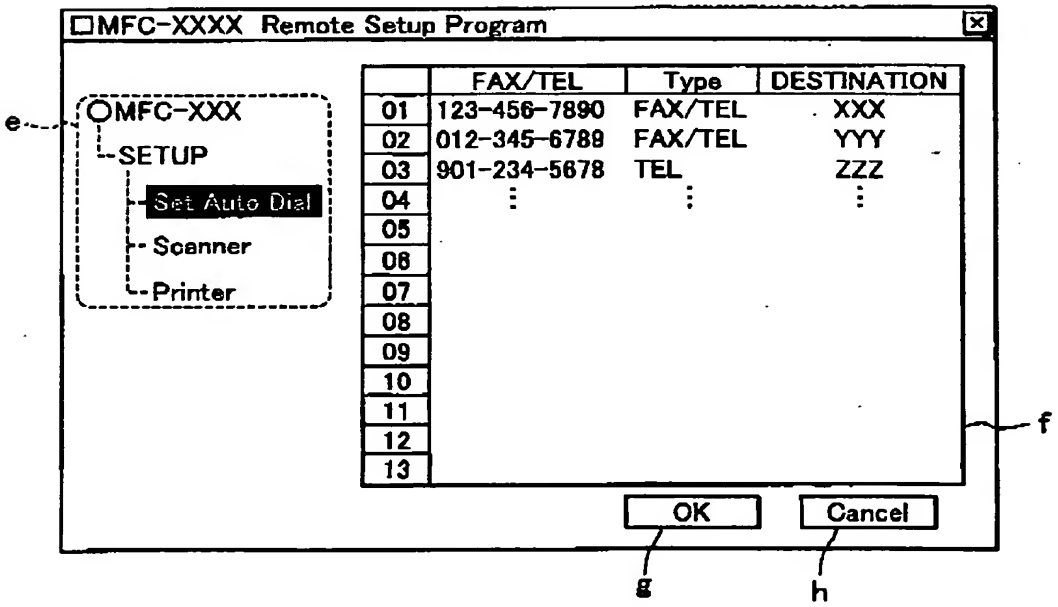

MFC-XXXX Remote Setup Program
MFC-XXX
SETUP
Set Auto Dial
Scanner
Printer
FAX/TEL
Type
DESTINATION
01 123-456-7890 FAX/TEL XXX
02 012-345-6789 FAX/TEL YYY
03 901-234-5678 TEL ZZZ
04
05
06
07
08
09
10
11
12
13
OK
Cancel
e
f
g
h

FIG.5

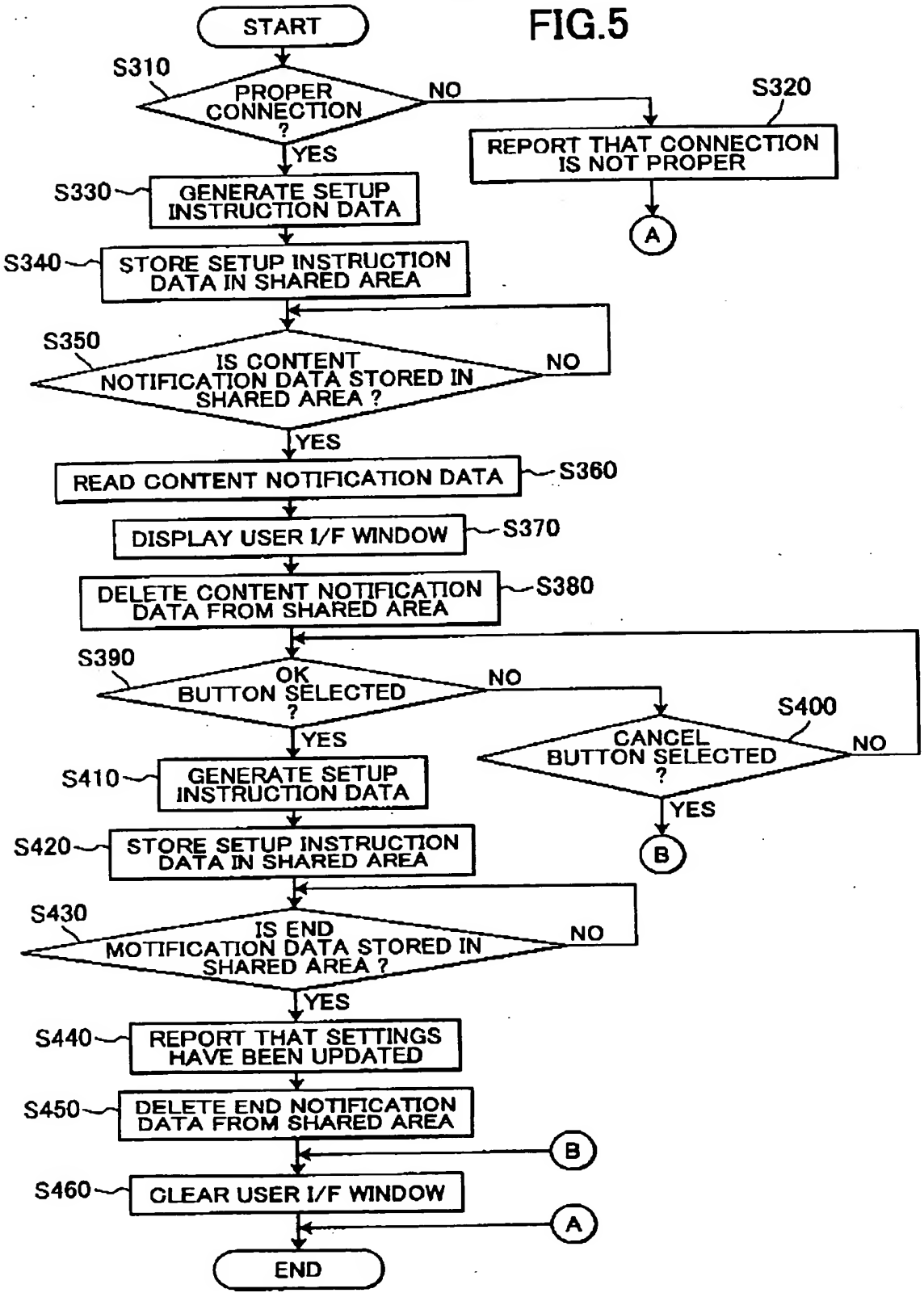

START
S310
PROPER CONNECTION ?
NO
S320
REPORT THAT CONNECTION IS NOT PROPER
YES
S330
GENERATE SETUP INSTRUCTION DATA
A
S340
STORE SETUP INSTRUCTION DATA IN SHARED AREA
S350
IS CONTENT NOTIFICATION DATA STORED IN SHARED AREA ?
NO
YES
READ CONTENT NOTIFICATION DATA
S360
DISPLAY USER I/F WINDOW
S370
DELETE CONTENT NOTIFICATION DATA FROM SHARED AREA
S380
S390
OK BUTTON SELECTED ?
NO
S400
CANCEL BUTTON SELECTED ?
NO
YES
YES
S410
GENERATE SETUP INSTRUCTION DATA
B
S420
STORE SETUP INSTRUCTION DATA IN SHARED AREA
S430
IS END MOTIFICATION DATA STORED IN SHARED AREA ?
NO
YES
S440
REPORT THAT SETTINGS HAVE BEEN UPDATED
S450
DELETE END NOTIFICATION DATA FROM SHARED AREA
B
S460
CLEAR USER I/F WINDOW
A
END

FIG.7

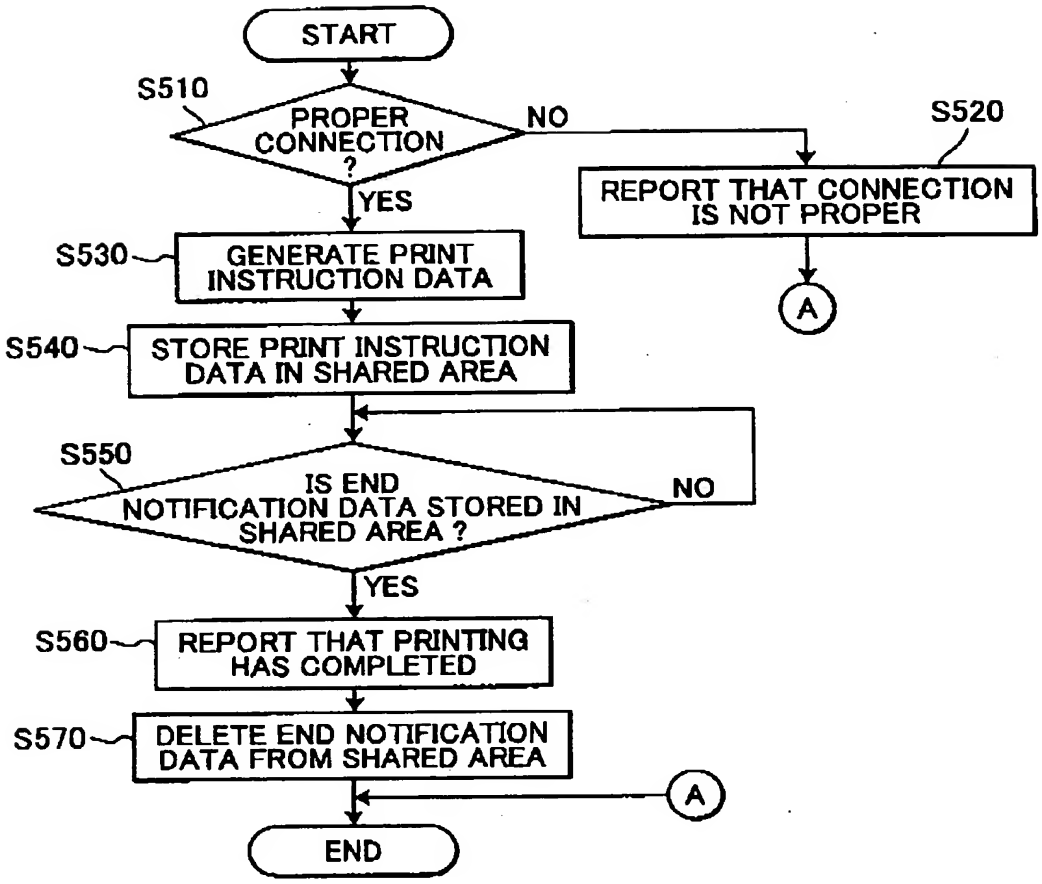
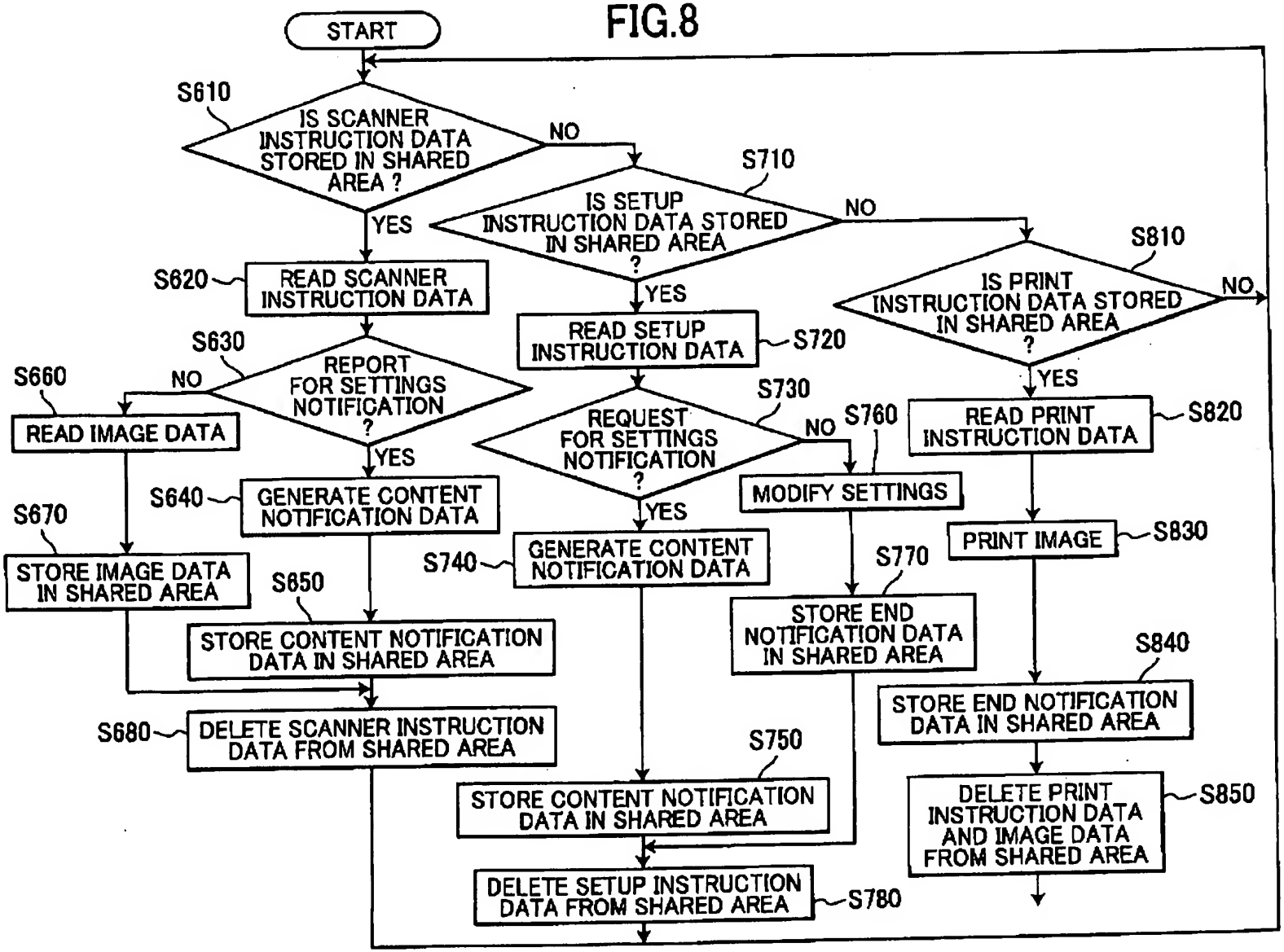

START
S510
PROPER CONNECTION ?
NO
S520
REPORT THAT CONNECTION IS NOT PROPER
YES
S530
GENERATE PRINT INSTRUCTION DATA
A
S540
STORE PRINT INSTRUCTION DATA IN SHARED AREA
S550
IS END NOTIFICATION DATA STORED IN SHARED AREA ?
NO
YES
S560
REPORT THAT PRINTING HAS COMPLETED
S570
DELETE END NOTIFICATION DATA FROM SHARED AREA
A
END

FIG.8


START
S610
IS SCANNER INSTRUCTION DATA STORED IN SHARED AREA ?
NO
YES
S710
IS SETUP INSTRUCTION DATA STORED IN SHARED AREA ?
NO
YES
S810
IS PRINT INSTRUCTION DATA STORED IN SHARED AREA ?
NO
YES
S620
READ SCANNER INSTRUCTION DATA
S630
REPORT FOR SETTINGS NOTIFICATION ?
NO
YES
S660
READ IMAGE DATA
S640
GENERATE CONTENT NOTIFICATION DATA
S670
STORE IMAGE DATA IN SHARED AREA
S650
STORE CONTENT NOTIFICATION DATA IN SHARED AREA
S680
DELETE SCANNER INSTRUCTION DATA FROM SHARED AREA
READ SETUP INSTRUCTION DATA
S720
S730
REQUEST FOR SETTINGS NOTIFICATION ?
NO
YES
S760
MODIFY SETTINGS
S740
GENERATE CONTENT NOTIFICATION DATA
S770
STORE END NOTIFICATION DATA IN SHARED AREA
S750
STORE CONTENT NOTIFICATION DATA IN SHARED AREA
DELETE SETUP INSTRUCTION DATA FROM SHARED AREA
S780
READ PRINT INSTRUCTION DATA
S820
PRINT IMAGE
S830
S840
STORE END NOTIFICATION DATA IN SHARED AREA
DELETE PRINT INSTRUCTION DATA AND IMAGE DATA FROM SHARED AREA
S850